

FIGURE 1A

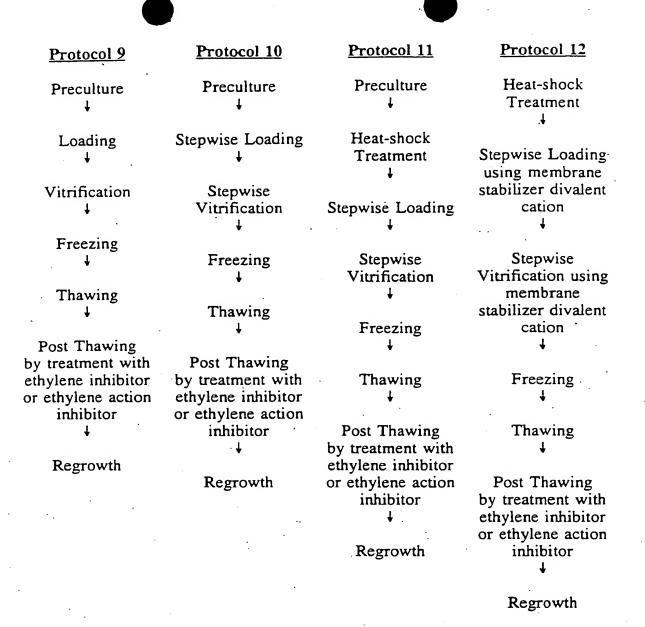


FIGURE 1B

Protocol 13	Protocol 14	Protocol 15
Preculture	Preculture	Preculture
+	•	*
Stepwise Loading	Stepwise Loading	Loading using
using membrane	using membrane	membrane
stabilizer divalent	stabilizer divalent	stabilizer divalent
cation	cation	cation
•	· •	+
Stepwise	Vitrification using	Stepwise
Vitrification using	membrane	Vitrification using
membrane	stabilizer divalent	membrane
stabilizer divalent	cation	stabilizer divalent
cation	↓	cation
1		↓ .
	Freezing	
Freezing	↓.	Freezing
	Thawing	
Thawing	1	Thawing
	Post Thawing	
Post Thawing	by treatment with	Post Thawing
by treatment with	ethylene inhibitor	by treatment with
ethylene inhibitor	or ethylene action	ethylene inhibitor
or ethylene action	inhibitor	or ethylene action
inhibitor	↓	inhibitor
.	D	↓
D	Regrowth	
Regrowth		Regrowth
	•	

FIGURE 1C

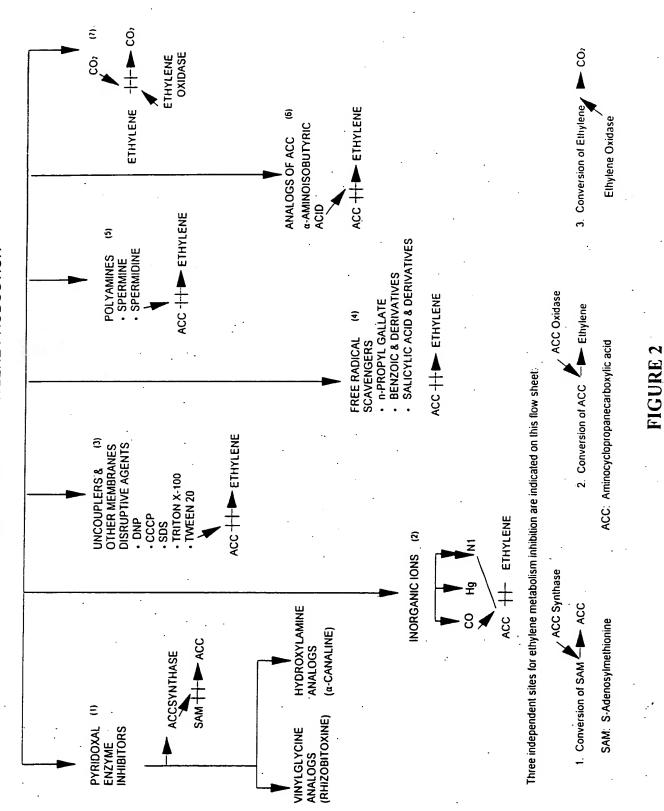
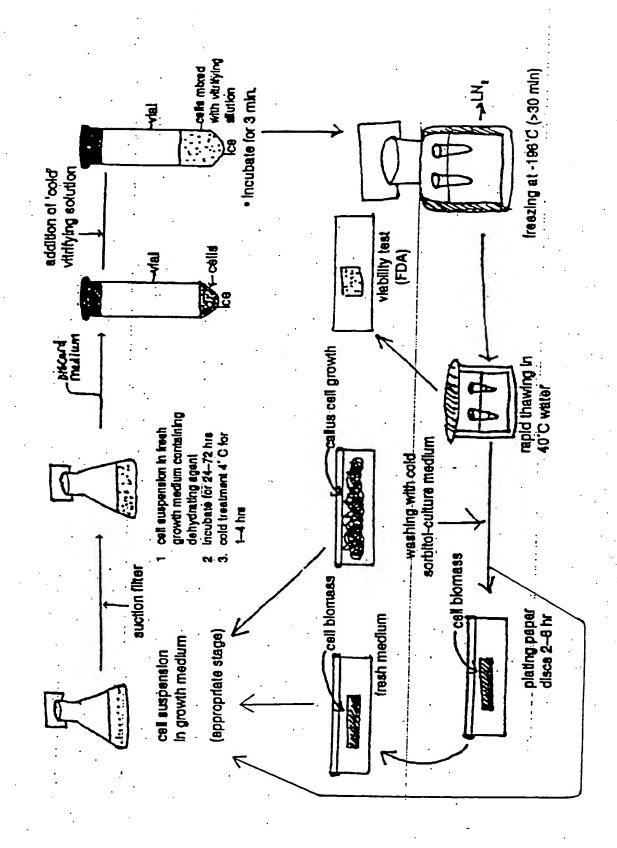


FIGURE 3



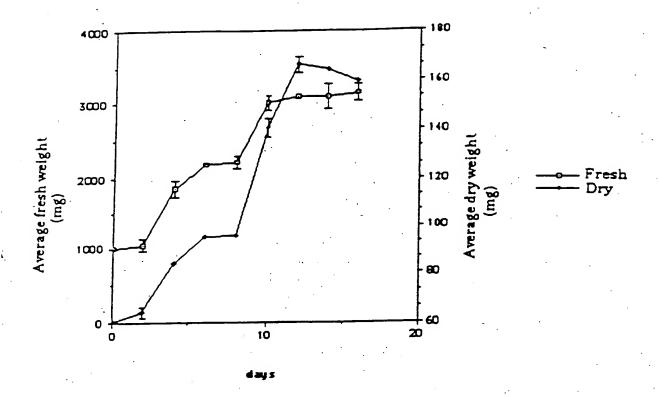
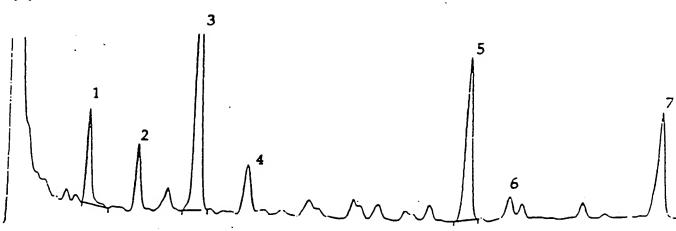


FIGURE 4



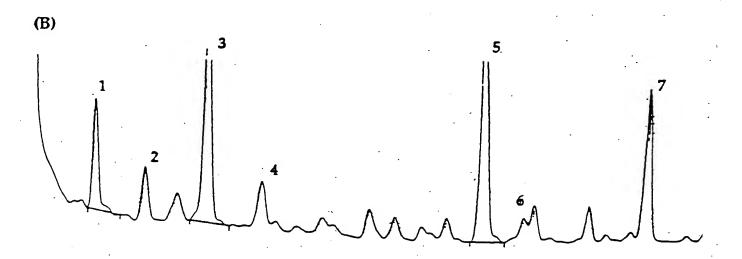
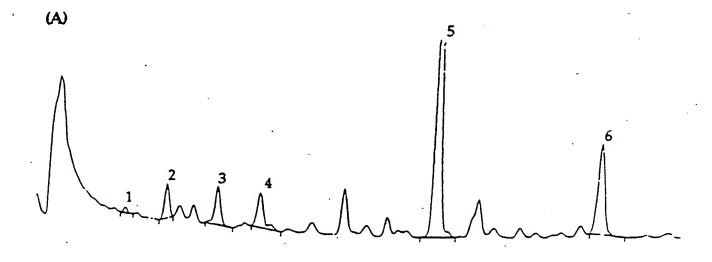


FIGURE 5



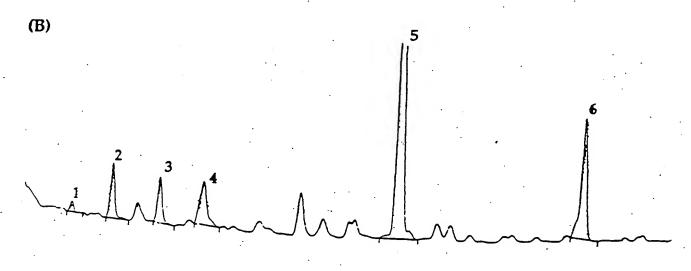
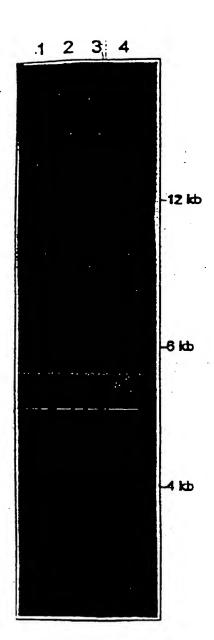


FIGURE 6



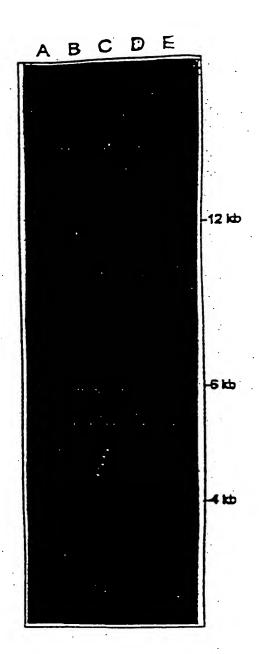


FIGURE 7

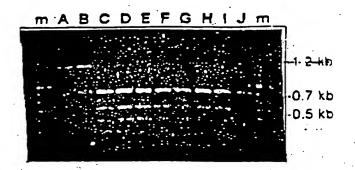


FIGURE 8